

Technology Days at Marshall Space Flight Center  
Mirror Development and Related Technologies  
May 22 – 24, 2002

Final Schedule

<b>Wednesday, May 22</b>	<b>Time</b>
Welcome	8:15
Ball Aerospace AMSD Progress Update	8:30
Goodrich Electro-Optical Systems AMSD Progress Update	9:00
Kodak AMSD Mirror Development Program	9:30
COFFEE BREAK	10:00
University of Arizona Progress Report on NMSD	10:20
COI NMSD Hybrid Mirror Status	10:40
Xinetics Cryogenic Deformable Mirror Demonstrator	11:00
Group Photo	11:20
LUNCH	11:30
Contractor AMSD Ambient and Cryogenic Mirror Certification Test Plans	
Ball Aerospace AMSD Test Plans	1:00
Goodrich Electro-Optical Systems AMSD Test Plans	1:10
Kodak AMSD Cryogenic Test Plans	1:20
MSFC AMSD Ambient and Cryogenic Mirror Certification	
MSFC/UAH AMSD Test Plans	1:30
MSFC/UAH AMSD Figure Certification Plan	1:50
MSFC/UAH Radius of Curvature of Off-Axis Paraboloids	2:10
COFFEE BREAK	2:30
ORA Radius of Curvature Measurement Study Results	2:50
MSFC/UAH Leica Absolute Distance Meter	3:10
MSFC/UAH Full Aperture Cryo-Figure AMSD Modal Characterization	3:30
4D PhaseCAM Capabilities: Modal Analysis and Multiple-Wavelength Phasing	3:50
MSFC/UAH AMSD Reaction Structure Cryo Deformation Test	4:10
Kodak AMSD Cryo Actuator Testing	4:30
Ball Aerospace AMSD Actuator Cryo Test Plan	4:45

<b>Thursday May 23</b>	<b>Time</b>
MSFC Overview of AMSD Integrated Modeling and Analysis	8:00
MSFC Predicting Print-thru for the SBMD	8:20
SRS New & Improved Integrated Optical Design Analysis (IODA) Features	8:40
MSFC Materials Property Research	9:00
COFFEE BREAK	9:20
SAO/MSFC Micro-Meteoroids Effects on Glass & Beryllium Optics	9:40
Shock Transients Computer Models of Micrometeoroid Impact on Fused Silica	10:00
MSFC Space Environment Effects and Micrometeoroid Study	10:20
Schafer Silicon Lightweight Mirrors (SLMS) for UV and Extreme UV Imaging	10:40
SSG SiC Optical Systems in Space	11:00
Xinetics Large Low-Temperature SiC Mirror	11:20
POCO SuperSiC SiC Mirror for Cryo-Characterization	11:40
LUNCH	12:00
MSFC New Cryogenic Optical Test Capability at MSFC's SOMTC	1:30
MSFC/Ball Space Act Test Results of SBMD	1:40
Ball Aerospace SBMD Coating Test Results	1:50
MSFC 30K Test Results for Selected Mirrors	2:10
Brush-Wellman/Goodrich 0.5 m Joined Beryllium Mirror Demonstrator	
IABG 0.5 meter C/SiC Mirror	
Xinetics 0.5 meter SiC Mirror	
Kodak 0.23 meter SiO2 Mirror	
COFFEE BREAK	2:50
HEXTEK Ultra-Lightweight Borosilicate Gas-Fusion Mirror for Cryo-Test	3:10
MER Developments in Hollow Graphite Fiber Technology	3:30
SRS Developments in Ultra Lightweight Membrane Optical Elements	3:50
Cornerstone Research Conformal Membrane Reflectors for Deployable Optics	4:10

<b>Friday May 24</b>			<b>Time</b>
Meet Tour Buses at Space and Rocket Center			8:30
<b>Tour Route #1</b>			
Tour Topic	Location	POC	
Segmented Telescope Test Bed	NSSTC	Bill Lightsey	9:00
Space Environment Lab	Building 4605	Ralph Carruth	9:45
Micrometeoroid Test Facility	Building 4612	Whitney Hubbs	10:15
XRCF	Building 4718	Cary Reily	10:45
<b>Tour Route #2</b>			
Tour Topic	Location	POC	
Space Environment Lab	Building 4605	Ralph Carruth	9:00
Micrometeoroid Test Facility	Building 4612	Whitney Hubbs	9:30
XRCF	Building 4718	Cary Reily	10:00
Segmented Telescope Test Bed	NSSTC	Bill Lightsey	10:45
Return to Space and Rocket Center			11:30